

### Typical Ajax Call

```
$.ajax({ // $.post, $.get and $.getJSON are preferred
  url: "demo_test.txt",
  type: "GET or POST",
  contentType: "application/x-www-form-urlencoded",
  contentType: "application/json",
  complete(xhr,status),
  error(xhr,status,error),
  success: function(result,status,xhr) {
    $("#div1").html(result);
  }
});

var xhttp = new XMLHttpRequest();
xhttp.onreadystatechange = function() {
  // readyState 4 = request finished. response is ready
  if (this.readyState == 4 && this.status == 200) {
    // Do Stuff
  }
};
xhttp.open("GET|POST", "url", true);
// var data = JSON.stringify({"email": "hey@mail.com",
  "password": "101010"});
xhttp.send(data^ or "Query Params");
```

### JQuery AJAX GET POST getJSON Shorthand

```
var request = $.get( // Also $.post or $.getJSON
  "example.php",
  { time: "2pm", color: "red", "choices[]": ["Jon", "Susan"] },
  function(data, textStatus, jqXHR) {
    alert( "success" );
  }).done(function(data, textStatus, jqXHR) {
    alert( "second success" );
  }).fail(function(data, textStatus) {
    alert( "error" );
  }).always(function(data, textStatus, jqXHR) {
    alert( "finished" );
  });
```

\$.post form data can be serialized with: `$("#myform").serialize()`  
 QueryString params for \$.get can be generated (from a hash) with `$.param( myHash )`

### Loading Scripts and Remote Page Fragments

<code>\$("#myDiv").load("demo_test.txt");</code>	loads the content of the file "demo_test.txt" into #myDiv element
<code>\$("#myDiv").load("demo_test.txt #p1");</code>	Parses DOM from demo_test.txt for #p1 and loads content of #p1 into #myDiv
<code>\$.getScript("demo_ajax_script.js");</code>	Load a JavaScript file from the server using a GET HTTP request, then execute it.

### JQuery Low Level Interface

<code>\$.ajaxPrefilter()</code>	Handle custom Ajax options or modify existing options before each request is sent and before they are processed by \$.ajax()
<code>jQuery.ajaxSetup()</code>	Set global default values for future Ajax requests. <b>Its use is not recommended.</b>
<code>jQuery.ajaxTransport()</code>	Creates an object that handles the actual transmission of Ajax data

